

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/067734 A2

(51) International Patent Classification⁷: **A23L 1/229**,
C12P 19/30

(21) International Application Number:
PCT/EP2005/000120

(22) International Filing Date: 6 January 2005 (06.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04075072.1 9 January 2004 (09.01.2004) EP

(71) Applicant (for all designated States except US): **DSM IP Assets B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE HEERLEN (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NOORDAM, Bertus** [NL/NL]; Brederolaan 26, NL-2692 DA 's-Gravenzande (NL). **KORTES, Jan, Gerrit** [NL/NL]; van Daatselaarhof 18, NL-3833 HV Leusden (NL).

(74) Agents: **VAN HEUVEL, Margaretha** et al.; DSM Intellectual Property, Delft Office (600-0240), P.O. Box 1, NL-2600 MA DELFT (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PRODUCTION OF A COMPOSITION CONTAINING 5'-RIBONUCLEOTIDES AND COMPOSITIONS THEREOF

(57) Abstract: The present invention describes a process to produce a composition containing 5'-ribonucleotides wherein a microorganism is subjected to autolysis under conditions at which a substantial part of the RNA remains in a form degradable into 5'-ribonucleotides and at which a substantial part of the RNA remains associated with the cell wall fraction. Said cell wall fraction is recovered by a solid/liquid separation method and the RNA associated with said wall fraction is converted into 5'-ribonucleotides. The present invention also describes compositions containing 5'-ribonucleotides and their use in food or feed.



WO 2005/067734 A2